

OIPE

#7

DATE: 01/29/2002 RAW SEQUENCE LISTING PATENT APPLICATION: US/10/038,241 TIME: 11:58:53

Input Set : A:\00-94.SEQ.txt



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3 <110> APPLICANT: Conklin, Darrell C.
             Gao, Zeren
      5
             Lofton-Day, Catherine E.
             Whitmore, Theodore E.
     8 <120> TITLE OF INVENTION: SECRETED ALPHA-HELICAL PROTEIN ZLMDA24
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     33
                                    Met Ser Phe Ser Val His Asn Gln Lys
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     37
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        Gly Ser Lys Arg Pro Leu Pro Leu Glu Pro Leu Leu Phe Leu Gln Val
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        cca cqt aqc aat tac ctq cac ttt caa qaa qaq aaa caa cga cta cac
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        cta aag aaa ttc ctt ctt gat agg atg ttt cta gtg gcc aag ata caa
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     47
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        Gln Ser Val Leu Lys His His Leu Gly Glu Ala Val Thr Gly Leu Leu
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              75
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Input Set : A:\00-94.SEQ.txt

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90				gaa													903
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92			220					225					230		_		0.51
94				ata													951
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96		235					240					245					1006
98			_	ttc	_	gati	igaga	agg g	gataa	atgt	ge e	catg	cctci	. taa	aggag	JEEE	1006
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111				<b>.</b>	5	. Db.			. 37-7	10	. 3			. m	15		
112		1 GI	ı Pro		те с	ı Pne	з те	ı GII		LPF	) AL	j se.	LASI		т те	ı His	
113		- 01.	- 61.	20	. T		. 7	T	25	. T		~ T	a Dha	30		, 7an	
114		e GII		1 GIU	т гу	G G I I	1 Arg		1 HTS	з ьес	т гъ	э гу	5 PM 45	з пе	и пе	a Asp	
115			35	<b></b>	. 17-1		. T	40	- 01.	. 7.7.	. 7 ~ .	. 37.5		. 7	~ T	2 202	
116		-	c Pne	з те	ı val	LAL		2 TT6	e GII	1 AIC	a ASI	.ı va. 60	T GT	ı AL	я гру	s Asp	
117		50		о Ш	<u>.</u> М	۰ (۲۰	55	. Mad	- Dh	. (1-			1 7 ~ .	1 T 17	o ui.	a Hic	
118		L Ala	a AS]	ь ту	г туг	70	ı GII	ı me	L P116	= GTI	n Se. 75	L Vd.	r ne	т пЛ;	o ur;	B His	
119		, 61.		. או	\ \T^\		r C1-	, T ~ ·	, T ~·	, t ~·		э M***	r Dr	, mh-	r ca	r Ile	
120 121		r GT	у СТ	u Alč	a val 85	_ T111	r GT	y ne	т пе	л це 90	и TT6	- ⊥у.	. FI	, 111.	95	r TTG	
14 L					رن					90					,,		

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Input Set : A:\00-94.SEQ.txt

122 123	Leu	His	Ile	Leu 100	Glu	Ser	Ser	Ser	Asp 105	Thr	Leu	Tyr	Lys	Val 110	Leu	Leu	
124	7 an	Шттт	T10		ui c	Val	T 170	λαη		Thr	Va l	Dha	Dho		Gln	Gln	
	ASP	тут	115	GLY	птэ	Val	пур	120	Giu	TIII	Val	riic	125	110	GIII	GIII	
125	14 a da	T		T1.	37a 1	т1 -	C = m		7	T10	Dwo	Wo+		T 011	Dho	Mot	
126	Met	_	TTE	шe	val	Ile		птѕ	ASII	тте	PIO		AIG	ьец	Pne	Met	
127		130			_		135	_		_	1	140		_	_	•	
129		Trp	His	vaı	Ser	Val	TTe	ьуs	vaı	Pro		met	туг	Leu	Asp		
130	145			_		150	_	_			155		_	_,		160	
131	Val	Thr	GIn	Ser		Ser	Leu	Lys	GIU		ITE	Thr	Asp	Pne		Thr	
132	_	_		_	165	_		_	_	170		_,		_	175	~ 3	
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136	_	_	195				_	200	_	_	_	_	205		1		
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138		210	_				215		_		_	220		•			•
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Input Set : A:\00-94.SEQ.txt

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188		-	_	_	_		_		Met								
189		014		120	014		014		125					130			
191	att	act	tet		aac	atc	CCC	acα	agg	cta	ttc	atσ	caq		cat	atc	549
192	_	-						-	Arg								
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196		-			-		_	_	Tyr		_	_	_		_		
197	001	150	110				155		-1-		F	160					
199	cca		ata	σασ	σаа	atc		aca	gaa	ttc	ct.c		atσ	act	cac	aaa	645
200									Glu								
201	165	001	110	Olu	Olu	170	****	****	OIU	1110	175		1100			180	
203		gca	ctc	caa	ctt		ааσ	aca	gtg	aaa		aac	aca	aaa	aat		693
204	_	-					-		Val		_						000
205	пси	AIU	пси	GIII	185	+1-	цу	<b>1</b> 111	vai	190	БСС	011	71±u	ביים	195	110	
207	aat	gac	aac	tta		саа	ctt	acc	cct		ctc	att	ctc	cca		caa	741
208		_						_	Pro	_							
209	011	p	11011	200		01	Lou		205	014	Lou			210	0_4		
211	att	atc	aaα		tta	tac	aaa	act	gaa	gaa	ttc	atσ	gac		aca	t.ct	789
212			_			-		_	Glu	-		_	_				, 03
213	110	110	215	-11-	шсц	CID	בינם	220	Olu	OLU	1110		225	110	1114	001	
215	ttc	tta		atσ	tat	aac	aga		ata	cac	att	acc		gat	tcc	gat	837
216		_	_	_			-		Ile		-						
217	1110	230	501	1100	-1-		235	110	110		,	240	Lou		001		
219	att		taa	cca	act	cct		cat	ttc	taσ	aato		ада о	rt.t.ga	attt	α	887
220									Phe	*		,,,,,,		,		2 2	
221	245			110		250	001										
223		ggato	ate 1	tacaa	acati		raago	catto	r aac	rator	rcac	caga	agcag	σα ο	aaat	gaaaga	947
224			-			-	-	_	-			-				ttcctg	1007
225	-	-		_	_				a ata								1056
	<210					,	Juan					· ·	,	-			
	<211:																
	<212				-												
	<213				Mus i	nusci	ılus										
	<400																
233			_			His	Asn	Ara	Lys	Glv	Ser	Lvs	Lvs	Gln	Phe	Gln	
234	1				5			5	-1-	10		-1-	-1-		15		
235		Asp	Pro	Leu	Leu	Leu	Pro	Lvs	Val	Pro	Ara	Thr	Asn	Tvr		His	
236		F		20				1 -	25		5			30			
237	Leu	Gln	Glu		Lvs	His	Arg	Leu	Gln	Leu	Lvs	Lvs	Phe		Leu	His	
238			35		_1 _		3	40			_1 _		45				
239	Ara	Met		Leu	Val	Glv	Tvr		Gln	Glv	Asn	Thr		Lvs	Lvs	Asp	
240	3	50				1	55			1		60			_1 _		
241	Ile		Glu	Tvr	Tvr	Glu		Leu	Phe	Gln	Ser		Leu	Lys	His	His	
242	65			4 -		70					75			•		80	

RAW SEQUENCE LISTING PATENT APPLICATION: US/10/038,241

DATE: 01/29/2002 TIME: 11:58:53

Input Set : A:\00-94.SEQ.txt

Output Set: N:\CRF3\01292002\J038241.raw

```
Leu Gly Glu Ser Val Thr Gly Leu Met Leu Val Tyr Pro Ser Thr Phe
     243
     244
                                               90
          Leu His Ile Leu Glu Ser Ser Asn Gly Thr Leu Phe Arg Ile Leu Leu
     245
     246
                      100
                                           105
     247
          Asp Tyr Val Ala His Glu Lys Ser Glu Thr Glu Phe Met Leu Gln Asn
     248
                                                            125
                  115
                                       120
     249
          Met Lys Ile Val Val Ala Ser His Asn Ile Pro Thr Arg Leu Phe Met
     250
          Gln Trp His Ile Ser Ala Ile Lys Val Pro Val Leu Tyr Leu Asp Asp
     251
     252
          145
                                                   155
     253
          Glu Ser Gln Ser Pro Ser Ile Glu Glu Val Thr Thr Glu Phe Leu Thr
     254
                                               170
                          165
     255
          Met Thr His Lys Leu Ala Leu Gln Leu Tyr Lys Thr Val Lys Leu Gly
     256
                                                                190
     258
          Ala Lys Gly Pro Gly Asp Asn Leu His Gln Leu Ala Pro Glu Leu Ile
     259
                                       200
                  195
     260
          Leu Pro Glu Gln Ile Ile Lys Tyr Leu Cys Lys Ala Glu Glu Phe Met
     261
                                   215
     262
          Asp Pro Ala Ser Phe Leu Ser Met Tyr Asn Arg Pro Ile His Val Thr
     263
                               230
                                                   235
     264
          Leu Asp Ser Asp Ile Val Trp Pro Ala Pro Ser Arg Phe
     267 <210> SEQ ID NO: 5
     268 <211> LENGTH: 759
     269 <212> TYPE: DNA
     270 <213> ORGANISM: Artificial Sequence
     272 <220> FEATURE:
     273 <223> OTHER INFORMATION: Degenerate polynuclotide sequence of human zlmda24
               shown in SEQ ID NO:2
     276 <221> NAME/KEY: misc_feature
     277 <222> LOCATION: (1)...(759)
     278 <223> OTHER INFORMATION: n = A, T, C or G
     280 <400> SEQUENCE: 5
W--> 281
          atgwsnttyw sngtncayaa ycaraarggn wsnaarmgnc cnytnccnyt ngarccnytn
                                                                                    60
W--> 282
          ytnttyytnc argtnccnmg nwsnaaytay ytncayttyc argargaraa rcarmgnytn
                                                                                   120
W--> 283
          cayytnaara arttyytnyt ngaymgnatg ttyytngtng cnaarathca rgcnaaygtn
                                                                                   180
W--> 284
          garmgnaarg aygtngcnga ytaytaygar caratgttyc arwsngtnyt naarcaycay
                                                                                   240
W--> 285
          ytnggngarg cngtnacngg nytnytnytn athtayccna cnwsnathyt ncayathytn
                                                                                   300
          garwsnwsnw sngayacnyt ntayaargtn ytnytngayt ayathggnca ygtnaargay
W--> 286
                                                                                   360
W--> 287
          garacngtnt tyttyathca rcaratgaar athathgtna thwsncayaa yathccnatg
                                                                                   420
W--> 288
          mgnytnttya tgcartggca ygtnwsngtn athaargtnw sngtnatgta yytngaygay
                                                                                   480
W--> 289
          gtnacncarw sncarwsnyt naargargtn athacngayt tyytnacnca racncayaar
                                                                                   540
W--> 290
          ytnwsnytnt ayytntgyca racnatgaar gtnggnacna arggnccngg ngayaayytn
                                                                                   600
W--> 291
          caycargtng cnccngayyt nytnytnccn garcaratha thaartayyt ntgyaarwsn
                                                                                   660
          gargarttya tqqayccnqc nacnttyath aayatqtaya aymgnccnat hcayathacn
W--> 292
                                                                                   720
W--> 293
         ytngaywsng argtngtntg gccngcnccn wsnmgntty
                                                                                   759
     295 <210> SEQ ID NO: 6
     296 <211> LENGTH: 759
     297 <212> TYPE: DNA
                           Use of n and/or Xaa has been detected in the Sequence Listing.
```

Review the Sequence Listing to insure a corresponding explanation is presented in the <220> to <223> fields of

each sequence using n or Xaa.



VERIFICATION SUMMARY

PATENT APPLICATION: US/10/038,241

DATE: 01/29/2002 TIME: 11:58:54

Input Set : A:\00-94.SEQ.txt

```
L:13 M:270 C: Current Application Number differs, Replaced Current Application No
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L\!:\!281~M\!:\!341~W\!: (46) "n" or "Xaa" used, for SEQ ID#:5
L:282 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:283 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:284 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:286 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:287 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:288 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:289 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:290 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:291 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:292 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:293 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:310 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:311 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:313 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:314 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:315 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:316 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:317 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:318 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:319 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:320 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:321 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
```